Product Name: GRK 4 Rabbit Polyclonal Antibody
Catalog #: APRab11775

Summary

Production Name	GRK 4 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	GRK4
Alternative Names	GRK4; GPRK2L; GPRK4; G protein-coupled receptor kinase 4; G protein-coupled receptor kinase GRK4; ITI1
Gene ID	2868.0
SwissProt ID	P32298.Synthesized peptide derived from GRK 4 . at AA range: 10-90

Application

Dilution Ratio	IHC 1:100-1:300 ELISA: 1:40000
Molecular Weight	

Background

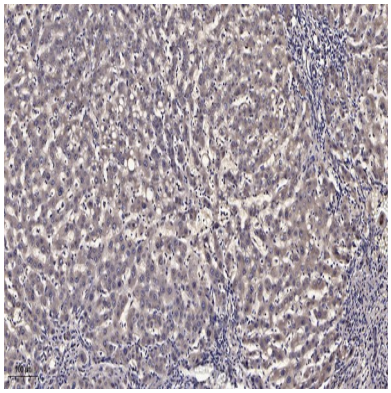
This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of

the Ser/Thr protein kinase family. The protein phosphorylates the activated forms of G protein-coupled receptors thus initiating its deactivation. This gene has been linked to both genetic and acquired hypertension. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013],catalytic activity:ATP + [G-protein-coupled receptor] = ADP + [G-protein-coupled receptor] phosphate.,function:Specifically phosphorylates the activated forms of G protein-coupled receptors. GRK4-alpha can phosphorylate rhodopsin and its activity is inhibited by calmodulin; the other three isoforms do not phosphorylate rhodopsin and do not interact with calmodulin.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 RGS domain.,tissue specificity:Testis, and in a lower extent in other tissues including brain cortex and striatum.,

Research Area

Chemokine;Endocytosis;

Image Data



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200（4° overnight）. 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200（room temperature, 45min）.

Note

For research use only.